## **EUROPEAN PATENT OFFICE**

## **Patent Abstracts of Japan**

PUBLICATION NUMBER

2002133797

PUBLICATION DATE

10-05-02

APPLICATION DATE APPLICATION NUMBER 25-10-00 2000326128

APPLICANT: HISAKI SEKKEI KK;

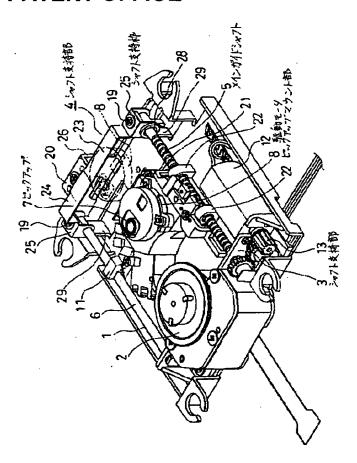
INVENTOR: ISHII SADASHI;

INT.CL.

: G11B 21/02

TITLE

: DVD DRIVE DEVICE



ABSTRACT: PROBLEM TO BE SOLVED: To provide a DVD(digital versatile disk) drive device capable of being miniaturized, being used for a carrying purpose, reducing the number of part items, improving assembling workability, and being manufactured at a low cost.

> SOLUTION: This DVD drive device comprises a horizontal section 24 having a shaft support section formed with a spring plate 23 and fixed to a chassis 1 so that its middle section is located above a pickup mount section 8, inversely recessed shaft support sections 25 formed at both ends of the horizontal section 24, applied with the elastic force of springs upward, and inserted with the end sections of both guide shafts 5 and 6, support bases 29 arranged on the inside of the shaft support frames 25 and formed into an inversed L-shape by cutting up the chassis 1 so that the end sections of both guide shafts 5 and 6 are located on the inside, and screws 19 penetrating the upper sections of the shaft support frames 25, screwed to the upper sections of the support bases 29, and abutting the end outer peripheries of the guide shafts 5 and 6 at the tips. The end sections of both guide shaft 5 and 6 inserted into the shaft support frames 25 are adjusted in height by the rotation of the screws 19.

COPYRIGHT: (C)2002,JPO

BEST AVAILABLE COPY